

**DETECTION SYTEM AND METHOD USING**  
**THERMAL IMAGE ANALYSIS**

5

**Background of the Invention**

Thermal image data of at least a region of a face of a person is provided.  
The thermal image data is used to determine a physiological state of a person, e.g.,  
anxiety. For example, anxiety may be determined by a comparison of the thermal  
image data to a baseline, or by comparison of thermal image data for one region of  
10 the person's face to another.